



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

Connector System: **Wire-to-Board**

Number of Positions: **3**

Number of Rows: **1**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Power Positions	3
Number of Columns	3
Number of Loaded Positions	3
Connector Contact Load Condition	Fully Loaded
Number of Positions	3
Number of Rows	1
PCB Mount Orientation	Vertical



Electrical Characteristics

Operating Voltage	600 VAC
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Body Features

Primary Product Color	Natural
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Contact Features

Contact Size	2.2mm
PCB Contact Termination Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Layout	Inline
Mating Pin Diameter	2.2 mm[.087 in]
Contact Underplating Material Thickness	1.27 – 1.79 µm[50 – 70 µin]
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]
Contact Shape & Form	Round
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Pre-Tin
Contact Type	Pin
Contact Current Rating (Max)	12 A

Termination Features

Termination Post & Tail Diameter	1.57 mm[.062 in]
Termination Post & Tail Length	5.09 mm[.2 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Panel Mount Feature	Without
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

Housing Features



Mating Entry Location	Top
Housing Material	Nylon
Centerline (Pitch)	6.35 mm [.25 in]

Dimensions

Connector Length	20.32 mm [.8 in]
Connector Height	13.97 mm [.55 in]
Connector Width	7.62 mm [.3 in]
PCB Thickness (Recommended)	3.18 mm [.125 in]
Profile Height from PCB	14.73 mm [.58 in]

Usage Conditions

Operating Temperature (Max)	105 °C [221 °F]
Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

UL Rating	Recognized
Glow Wire Rating	Standard Part - Not Glow Wire
Compatible With Agency/Standards Products	UL, VDE
Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-2

Packaging Features

Packaging Quantity	100
Packaging Method	Bag

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC



Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

 TE Part # 641945-1 03P UMNL STR/REL	 TE Part # 641763-1 03P UMNL STR/REL V2 NATL	 TE Part # 1-350589-0 STR/REL CLAMP NATL	 TE Part # 350811-1 STR/REL CLAMP
 TE Part # 640714-1 03P UMNL STR/REL	 TE Part # 794271-1 03P UMNL INTERFACE SEAL	 TE Part # 1-640720-0 03P UMNL STR/REL & INSRT NATL	 TE Part # 1-480700-0 03P UMNL PLUG HSG NATL
 TE Part # 794272-1 03P UMNL WIRE SEAL	 TE Part # 1586849-1 03P UMNL CAP HSG NATL, GW	 TE Part # 794900-1 03P UMNL HI TEMP CAP HSG	 TE Part # 794992-1 03P UMNL BLACK INTERFACE SEAL



TE Part # 1586968-1
05P UMNL PIN HDR ASSY V2, GW

TE Part # 1586958-1
03P UMNL PIN HDR ASSY NATL, GW

TE Part # 1586892-1
03P UMNL HDR ASSY R/A, GW

TE Part # 350848-3
03P UMNL PLUG TEST ASSY 94VO

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Caps & Covers(34)

Connector Contacts(209)

Connector Hardware(12)

Connector Seals & Cavity Plugs(27)

Connector Strain Relief(7)

Insertion & Extraction Tools(4)

PCB Headers & Receptacles(285)

Rectangular Connector Housings(1)

Rectangular Power Connectors(370)

Standard Circular Connectors(1)

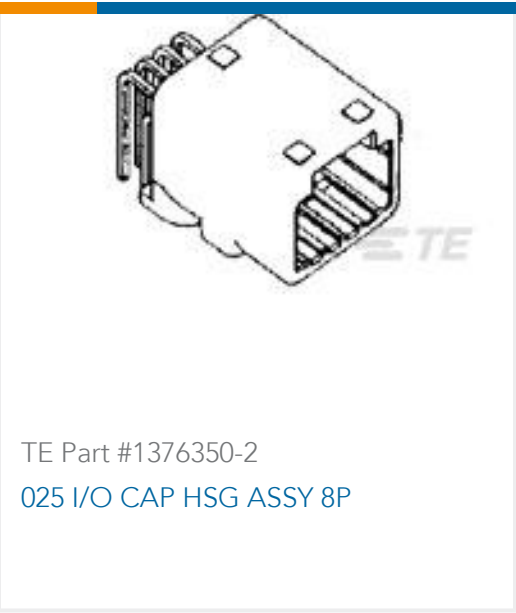
Customers Also Bought

TE Part #5-103414-5
07 MODII HDR SRST SHRD LF

TE Part #350430-1
04P UMNL PIN HDR ASSY NATL

TE Part #641937-1
03P MTA156 HDR ASSY STR W/O#2

TE Part #3-1393118-7
KUP-14D55-12=KU



Documents

Product Drawings

03P UMNL PIN HDR ASSY V2 NATL

English

CAD Files

Customer View Model

ENG_CVM_350583-1_U.3d_igs.zip

English

Customer View Model

ENG_CVM_350583-1_U.3d_stp.zip

English

Customer View Model

ENG_CVM_350583-1_U.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_350583-1_AA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_350583-1_AA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_350583-1_AA.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY

English

Product Specifications

Application Specification

English



Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL

English